

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/13356

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/24 H04L29/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 044 468 A (OSMOND ROGER F) 28 March 2000 (2000-03-28) column 2, line 66 - column 3, line 56 -----	1-28
A	EP 0 645 912 A (IBM) 29 March 1995 (1995-03-29) column 2, line 17 - line 57 -----	1-28
A	EP 0 935 365 A (CIT ALCATEL) 11 August 1999 (1999-08-11) paragraph '0019! - paragraph '0021! -----	1-28

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

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- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

28 July 2004

Date of mailing of the international search report

04/08/2004

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Information on patent family members

International Application No

PCT/EP 03/13356

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 6044468	A 28-03-2000	NONE		
EP 0645912	A 29-03-1995	US 5440633 A EP 0645912 A2 JP 2610107 B2 JP 7087116 A US 5524052 A		08-08-1995 29-03-1995 14-05-1997 31-03-1995 04-06-1996
EP 0935365	A 11-08-1999	FR 2774538 A1 EP 0935365 A1 JP 11313057 A		06-08-1999 11-08-1999 09-11-1999